

**DOCKET NO: PHRM0018-100/00188.US1**  
**Serial No.: 09/899,495**

**PATENT**  
**Filing Date: July 5, 2001**

**IN THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

Please cancel claims 1-106 and 110-148 without prejudice.

Please add new claims 149-152.

Please amend claims 107-109 as follows:

**STATUS OF CLAIMS**

Claims 1-106 (cancelled)

107. (currently amended) An isolated ~~The~~ polypeptide of ~~claim 105~~ encoding a human 5HT<sub>3</sub> serotonin receptor wherein said polypeptide comprises an amino acid sequence with at least 99% sequence homology to ~~a sequence of~~ SEQ ID NO:116.

108. (currently amended) The polypeptide of claim ~~105~~ 107 wherein said polypeptide comprises ~~an amino acid sequence of~~ SEQ ID NO:116.

109. (currently amended) A composition comprising a polypeptide of any one of claims ~~claim 105~~ 107, 149 or 150 and an acceptable carrier or diluent.

Claims 110-148 (cancelled)

149. (New) An isolated polypeptide encoding a human 5HT<sub>3</sub> serotonin receptor wherein said polypeptide comprises an amino acid sequence with at least 95% sequence homology to SEQ ID NO:116 and wherein said polypeptide comprises no more than 471 amino acid residues.

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150. (New) An isolated polypeptide encoding a human 5HT<sub>3</sub> serotonin receptor wherein said polypeptide comprises an amino acid sequence with at least 95% sequence homology to SEQ ID NO:116 and wherein said polypeptide comprises the sequence Met-Leu-Ala.

151. (New) The isolated polypeptide of claim 150 wherein the sequence Met-Leu-Ala is at the amino terminus of the polypeptide.

152. (New) The isolated polypeptide of any one of claims 149 or 150 wherein said isolated polypeptide comprises at least one conservative substitution.